

In the Claims

1-12. Canceled

13. A probe for analyzing an extended object, the extended object having plural sub-objects, the probe comprising a body having an edge, the edge having a thickness less than a relevant dimension of one of said sub-objects, and a length substantially greater than a relevant dimension of one of said sub-objects.

14. A probe as in claim 13 wherein said probe includes a material that hybridizes with at least one known sub-object of said plural sub-objects.

15. A probe for analyzing an object, the probe comprising a body having an analyzing region, the analyzing region having a dimension less than a relevant dimension of one (or more) of said objects, and a width substantially greater than a relevant dimension of one of said objects.

16. A probe for analyzing an extended object having a plurality of sub-objects, the probe selected from group consisting of nozzle filled with liquid, an particle beam, electron beam, x-ray beam, a light beam, or a metal, the probe including an analyzing region, the analyzing region having a dimension less than a relevant dimension of one (or more) of said sub-objects, and a width or a path width substantially greater than a relevant dimension of one of said objects.

17. A probe for analyzing an object comprising a source of a probe beam, the probe beam having an analyzing dimension less than a relevant dimension of one (or more) of said objects, and a width or a path width substantially greater than a relevant dimension of one of said objects

18. A probe comprising

a body portion and an active portion, the active portion having a probing dimension being a function of the thickness of a layer.

19-33. Canceled